

(a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence at positions n-231 in SEQ ID NO:2, where n is an integer except zero in the range of -17 to +26.

(b) a nucleotide sequence encoding a polypeptide having the amino acid sequence of residues 1-m of SEQ ID NO:2, where m is an integer in the range of +220 to +231;

(c) a nucleotide sequence encoding a polypeptide having the amino acid sequence of residues n-m of SEQ ID NO:2, where n and m are integers as defined respectively in (a) and (b) above; and

(d) a nucleotide sequence encoding a polypeptide consisting of a portion of the complete hPSP amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97811 wherein said portion excludes from 1 to 43 amino acids from the amino terminus of said complete amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97811;

(e) a nucleotide sequence encoding a polypeptide consisting of a portion of the complete hPSP amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97811 wherein said portion excludes or from 1 to 11 amino acids from the carboxy terminus of said complete amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97811; and

(f) a nucleotide sequence encoding a polypeptide comprising a portion of the complete hPSP amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97811 wherein said portion include a combination of any of the amino terminal and carboxy terminal deletions in (d) and (e), above.

C4
9. (Once Amended) An isolated nucleic acid molecule comprising a nucleic acid sequence which encodes an epitope-bearing portion of an hPSP polypeptide selected from the group consisting of: a polypeptide comprising amino acid residues from Ser50 to Leu66 of SEQ ID NO:2; a polypeptide comprising amino acid residues from Glu97 to Leu105 of SEQ ID NO:2; a polypeptide comprising amino acid residues from Glu141 to Gln148 of SEQ ID NO:2; and a polypeptide comprising amino acid residues from Asp219 to Leu227 of SEQ ID NO:2.

19. (Once Amended) An isolated polynucleotide comprising a nucleic acid sequence selected from the group consisting of:

C5
(a) a nucleic acid sequence encoding an amino acid sequence at least 95% identical to a polypeptide of amino acids +1 to +231 of SEQ ID NO:2;

(b) a nucleic acid sequence encoding a polypeptide encoded by the human cDNA contained in ATCC Deposit No. 97811; and

(c) a nucleic acid sequence encoding a polypeptide of at least 30 contiguous amino acids of SEQ ID NO:2.